Ryan Keller

Software Engineer with a background in security and DevOps.
B.S. in Informatics and Cybersecurity from U. of Washington.

https://github.com/rckeller
https://rykeller.com
rykeller@uw.edu

Professional Experience

Crossover Health

Software Engineer, Web   2018 – Current
- Design, develop and maintain cross-platform web and native applications.
- Developed a cross-application session management system via OAuth 2.
- Developed and fully tested a companywide cross-platform UI library
- Created CI/CD pipelines for fully automated testing and deployments.

Technologies: TypeScript, React / React Native, Webpack, Cypress, Docker

Capital One

Software Engineering Intern, Security   2018
- Led a project team of 6 developers – providing 1:1 mentorship, system designs, and defining and implementing application architecture.
- Developed full stack security applications used to define and enforce security policies, profile attack vectors, and automatically triage breaches.

Technologies: Go, Node, React, Webpack, Rollup, MongoDB, AWS

T-Mobile

Security Engineering Co-Op   2017 – 2018
- Researched emerging solutions for security infrastructure automation, creating proofs-of-concept capable of scaling to support 14,000 nodes.
- Developed full stack applications and data ingestion systems for cyber threat intelligence, automating the collection of emerging threat data.

Technologies: Wireshark, Burp Suite, Micro-Segmentation, Node, React

DevOps Engineering Co-Op   2017
- Automated continuous integration pipelines and provisioning of cloud "Infrastructure on Demand" using bash scripts, Puppet and Ansible.

Technologies: Puppet, Ansible, Ruby, Bash, JavaScript, Unix systems

University of Washington

Software Engineer, Web   2017 – 2018
- Developed a bespoke IT project management web app used to select and grant $12 million in funding to over 100 campus projects annually.

Technologies: Node, React, Redux, Webpack, MySQL, MongoDB, AWS

Network Specialist   2016 – 2017
- Developed automation systems for automatically provisioning, deploying, and managing network infrastructure using Python and Ansible playbooks.

Technologies: Python, Ansible, Bash, Network Design and Configuration

Additional Experience

Starbucks Corporation

Service Desk Analyst   2015 – 2016

University of North Texas

Research Lab Manager – Health Psychology   2013 – 2015

Education

University of Washington

Bachelor of Science in Informatics and Cybersecurity
Graduated March 2019; 3.7 GPA

Code Fellows, Seattle

Advanced Web Development
Completed January 2017

Skills

Front-End Development
JavaScript ES7, TypeScript, React, Redux, MobX, Vue, Handlebars, EJS

Data Visualization
D3.js and React-Vis / React D3, Victory, Recharts, amCharts, Leaflet

Back-End Development
Golang, Ruby, NodeJS, Express, Koa, Feathers, Restify, Adonis, Micro

Build Infrastructure for Web
Babel, Webpack, Rollup, Gulp, Brunch, CSS Modules, Code Splitting

Testing & Quality Assurance
Jest & Enzyme, Cypress, Mocha, Chai

DevOps & CI/CD
Puppet, Ansible, Jenkins, Travis, CircleCI, Docker, AWS (EC2, ECS)

Database Administration
MySQL, Postgres, MongoDB, Firestore, Redis, GraphQL & Apollo

IT Service Management
Project Management, Systems Design & Integration, Incident Management

Penetration Testing
Burp, Nmap, Metasploit, Aircrack-ng

Security Architecture
Micro-Segmentation, SDP, NAC

Identity Management
Active Directory, NAC, Federated IDP